Art & Architecture Thesaurus

Linked Open data
GETTY VOCABULARIES

AAT LOD Microthesauri

Create Linked Open Data (LOD) Microthesauri
using *Art & Architecture Thesaurus* (AAT) LOD

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AAT International Terminology Working Group (ITWG) meeting
September 5-7, 2014
Dresden, Germany

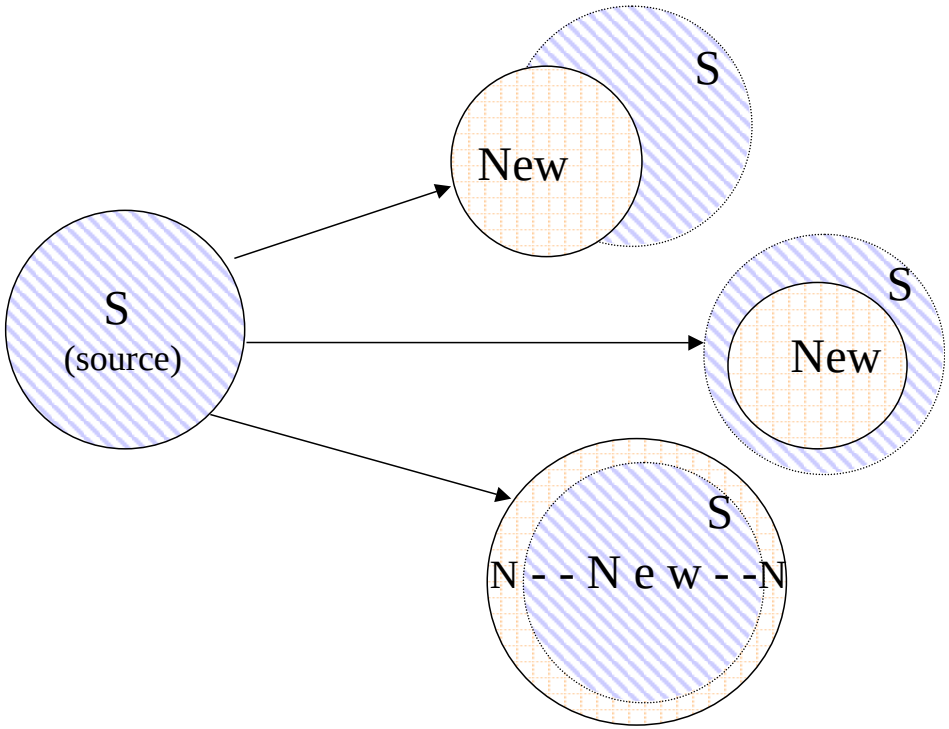
1. Definition

Microthesaurus: designated subset of a thesaurus that is capable of functioning as a complete thesaurus.

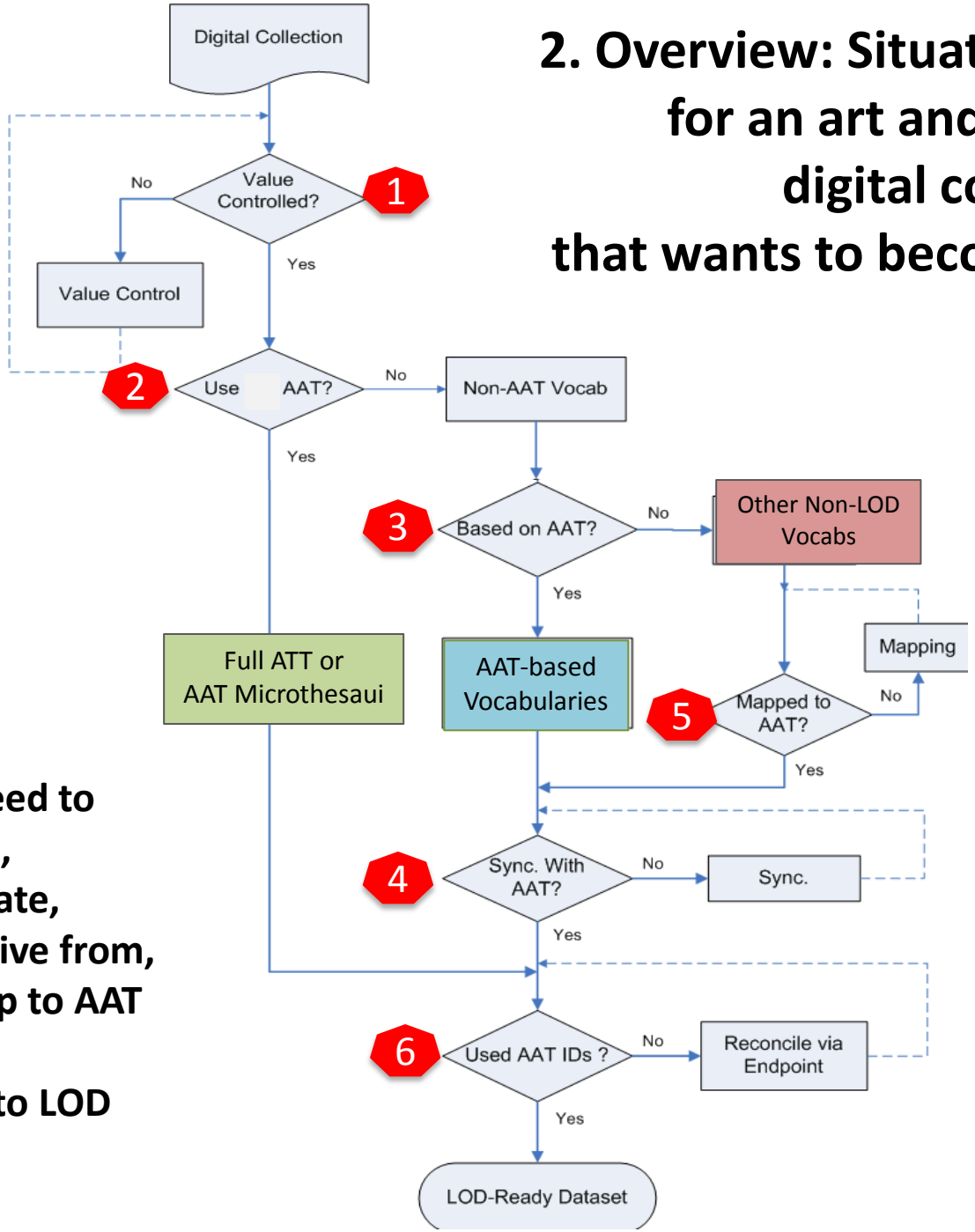
-- ISO25964-2:2013

Microthesauri are different from:

- Derived vocabularies
  - adaptation
  - modification
  - expansion
  - partial adaptation
  - translation



2. Overview: Situations and decisions for an art and architecture digital collection that wants to become a LOD dataset



The need to

- **use,**
- **create,**
- **derive from,**
- **map to AAT**

&

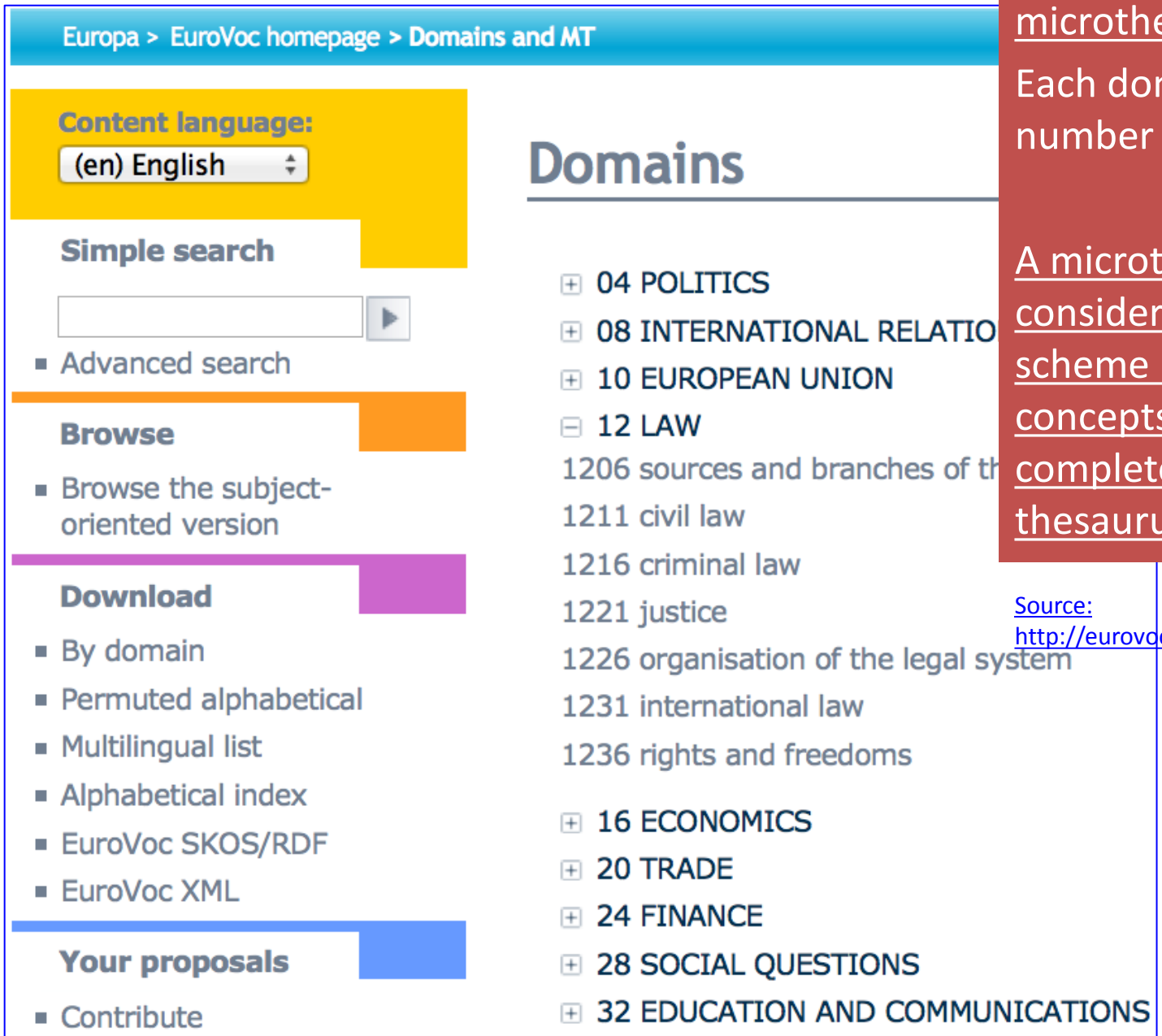
- **go to LOD**

3. Can a microthesaurus be made from an existing thesaurus?

	Structure	Example
YES	Classificatory structure	• *EUROVOC* • *Chinese Classified Thesaurus* • [*English Heritage Thesauri*]
YES	Faceted structure	• AAT • FAST (Faceted Application of Subject Terminology)
YES/May be	Deep hierarchies (family trees)	• AAT • NASA Thesaurus • INSPEC Thesaurus
NO/ Not-directly	flat structure [alphabetically organized]	• LCSH • many thesauri

Microthesaurus: designated subset of a thesaurus that is capable of functioning as a complete thesaurus. *-- ISO25964-2:2013*

Example: Eurovoc



"EuroVoc is split into 21 domains and 127 microthesauri.

Each domain is divided into a number of microthesauri.

A microthesaurus is considered as a concept scheme with a subset of the concepts that are part of the complete EuroVoc thesaurus."

Source: http://eurovoc.europa.eu/drupal/?q=node/555

Canadian Heritage Information Network (CHIN)

Government of Canada
Gouvernement du Canada
CHIN's Professional Exchange
Canada
Search
Find Resources
Jobs
Funding
Conferences & Training
Artefacts Canada
Add to Professional Exchange
Help
Home > Find Resources > Summary "Art & Architecture Thesaurus (AAT) Processes and Techniques Hierarchy"
Back to List
First Previous Next Last
Summary "Art & Architecture Thesaurus (AAT) Processes and Techniques Hierarchy"
Created by the J.Paul Getty Trust, the AAT is a thesaurus of terms used in the cataloguing and indexing of art, architecture, artifactual, and archival materials.
The Processes and Techniques of the AAT contains terminology for "actions and methods performed physically on or with materials and objects, and for processes occurring in materials and objects."
CHIN recommends the use of the AAT for museums with broad humanities collections. The terminology found in the AAT Processes and Techniques Hierarchy is appropriate for use
and Decorative Technique fields of the Artefacts Canada: Humanities database, as well as some Condition fields within museum collections management systems.
CHIN has contributed approximately 2600 French terms to the AAT; these are now visible within the AAT as French language equivalents for the most common terms. This bilingual
Institution / Organization: CHIN
2013-06

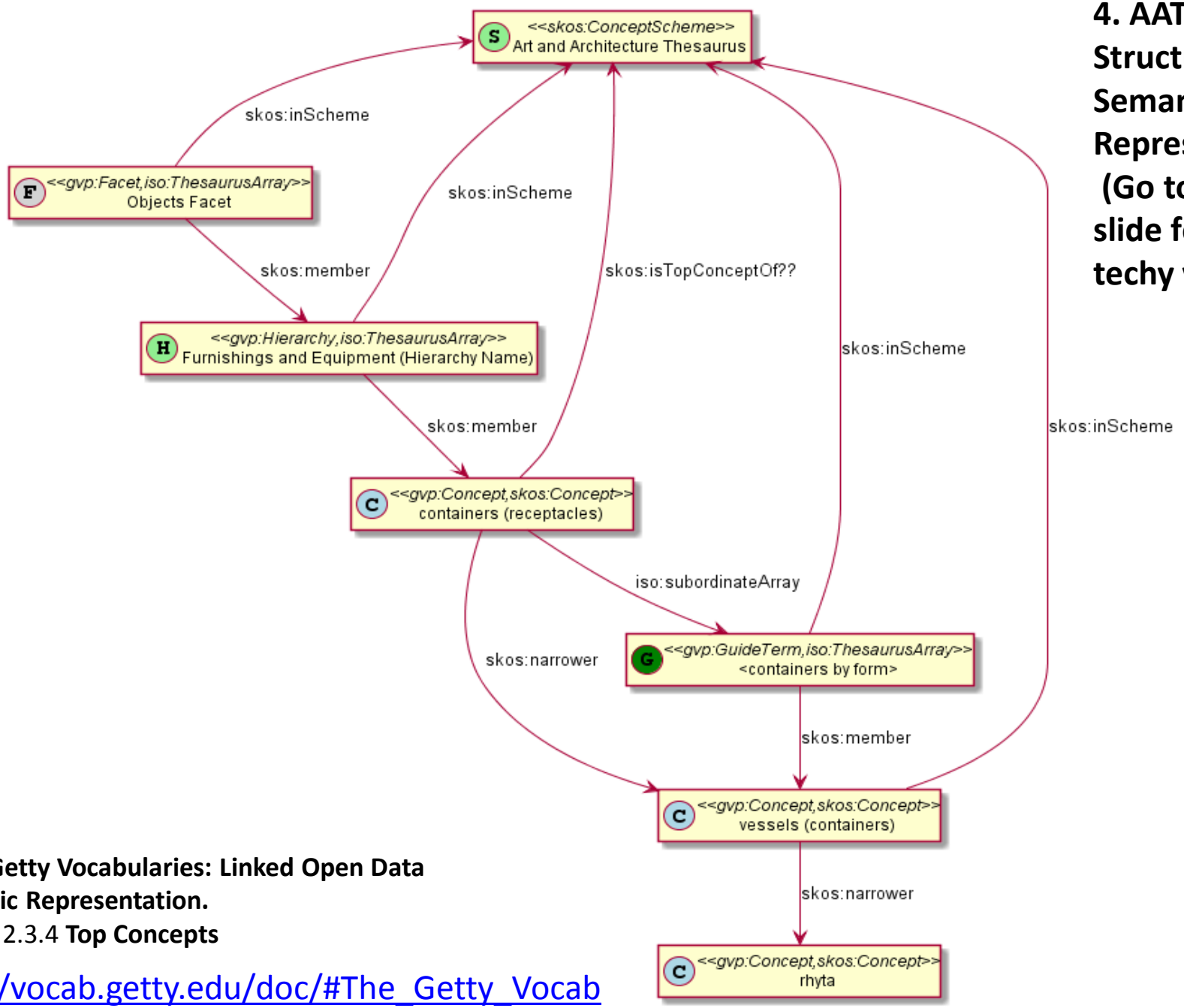
CHIN listed 890+ recommended resources.

AAT's facets and hierarchies that are listed separately.

- Art & Architecture Thesaurus (AAT) Processes and Techniques Hierarchy
- Canadian Centre for Architecture Bilingual Term Lists
- Art & Architecture Thesaurus (AAT) Agents Facet
- Cultural Objects Name Authority (CONA)
- Art & Architecture Thesaurus (AAT) Materials Facet
- Art & Architecture Thesaurus (AAT) Physical Attributes Facet
- Art & Architecture Thesaurus (AAT)
- Art & Architecture Thesaurus (AAT) Disciplines Hierarchy
- Art & Architecture Thesaurus (AAT) Objects Facet
- Art & Architecture Thesaurus (AAT) Styles and Periods Facet
- The Info-Muse classification system for fine arts and decorative arts museums
- Testing a Vocabulary Standard Against Cataloguing Practice in Canadian Museums
- Guidelines for Forming Language Equivalents: A Model Based on the Art & Architecture Thesaurus

Source: Search "AAT" from http://www.pro.rcip-chin.gc.ca/ressources-resources/index-eng.jsp

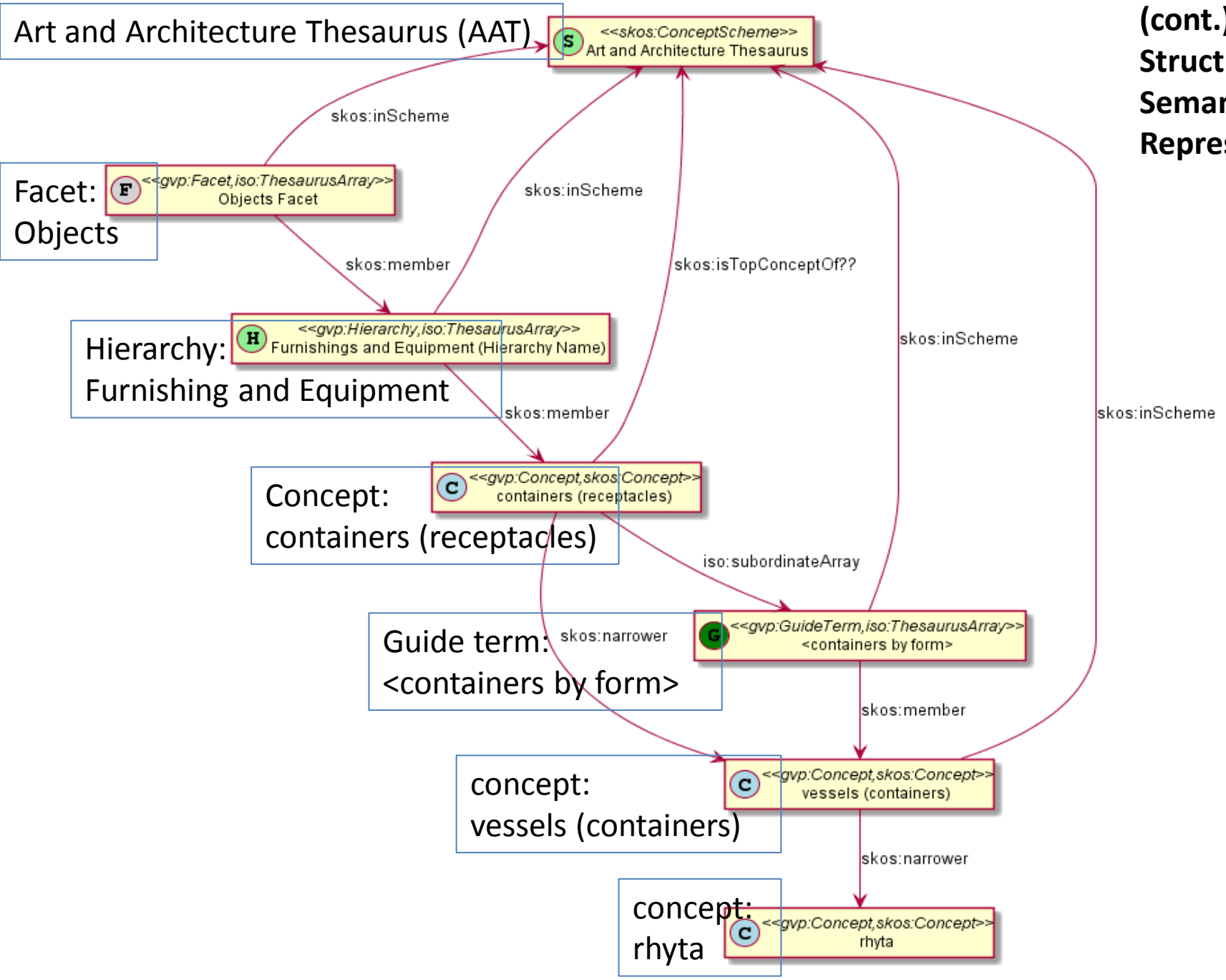
4. AAT Structure's Semantic Representation (Go to next slide for non-techy view.)



From: Getty Vocabularies: Linked Open Data Semantic Representation.
Section 2.3.4 **Top Concepts**

http://vocab.getty.edu/doc/#The_Getty_Vocabularies_and_LOD

(cont.) AAT Structure's Semantic Representation



Art and Architecture Thesaurus (AAT)

What are special in AAT

The units were recommended to use by projects such as The Canadian Heritage Information Network (CHIN)

Facet:
Objects

Facets

Hierarchy:
Furnishing and Equipment

[large] Hierarchies
(full coverage, deep layer)

Concept:
containers (receptacles)

Guide term:
<containers by form>

Sub-facets
(Indicated by node labels)

concept:
vessels (containers)

concept:
rhyta

Vases

What are usually available in a flat structured LOD thesaurus

URI(s)
- http://id.loc.gov/authorities/subjects/sh85142374
- info:lc/authorities/sh85142374
- http://id.loc.gov/authorities/sh85142374#concept

Instance Of
- MADS/RDF Topic
- MADS/RDF Authority
- SKOS Concept

Scheme Membership(
- Library of Congress

Collection Membership
- LCSH Collection - A
- LCSH Collection - G
- LCSH Collection - M

Broader Terms
- Containers

Narrower Terms
- Flower vases
- Presentation vas
- Stone vases
- Vase-painting

Related Terms
- Urns

Closely Matching Concepts from Other Schemes
- Vase
- Vases

```
<rdf:RDF>
– <rdf:Description rdf:about="http://id.loc.gov/authorities/subjects/sh85142374">
    <rdf:type rdf:resource="http://www.w3.org/2004/02/skos/core#Concept"/>
    <skos:prefLabel xml:lang="en">Vases</skos:prefLabel>
    <skos:broader rdf:resource="http://id.loc.gov/authorities/subjects/sh85031520"/>
    <skos:narrower rdf:resource="http://id.loc.go                    s/sh85142364"/>
    <skos:narrower rdf:resource="http://id.loc.go                    s/sh2012001607"/>
    <skos:narrower rdf:resource="http://id.loc.go                    s/sh2007001063"/>
    <skos:narrower rdf:resource="http://id.loc.gov/authorities/subjects/sh2004005300"/>
    <skos:related rdf:resource="http://id.loc.gov/authorities/sub                    h85141432"/>
  – <skos:closeMatch>
    – <rdf:Description rdf:about="http://d-nb.info/gnd/4126533-6">
        <rdf:type rdf:resource="http://www.w3.org/2004/02/skos/core#Concept"/>
        <skos:prefLabel xml:lang="DE">Vase</skos:
      </rdf:Description>
    </skos:closeMatch>
```

Concept

BT

concept

NT

concept:

Source: http://id.loc.gov/authorities/subjects/sh85142374.skos.rdf

… so are in AAT;

Getty Vocabularies: LOD SPARQL

rhyta

Source:http://vocab.getty.edu/aat/300198841

Subject (100 of 193) | Predicate | Object | All

Website | Hierarchy | Download in: JSON | RDF | N3/Turtle | N-Triples

Inference: Explicit only

Statements in which the resource exists as a subject.

Predicate	Object
rdf:type	gvp:Concept
rdfs:seeAlso	http://www.getty.edu/vow/AATFullDisplay?find=&logic=AND&note=&subjectid=300198841
xl:prefLabel	aat_term:1000198841-el-Latn, aat_term:1000198841-en, aat_term:1000316909-es, aat_term:1000316909-fr, aat_term:1000498969-nl, aat_term:1000589081-zh-Hant, aat_term:1000589085-zh-Latn-pinyin-x-notone, aat_term:1000589090-zh-Latn-wadegile, aat_term:1000589091-de, aat_term:1000591848-zh-Latn-piny
xl:altLabel	gvp:parentString: drinking vessels, <vessels for serving and consuming … food>, culinary containers, <containers by function … (Hierarchy Name), Furnishings and Equipment (Hierarchy Name), Objects Facet
	gvp:parentStringAbbrev: drinking vessels, <vessels for serving and consuming food>, … Objects Facet
	gvp:displayOrder: 18
	gvp:broaderGeneric: aat:300194567, aat:300198333, aat:300198865
dcterms:created	gvp:broaderPreferred: aat:300194567
	gvp:broaderNonPreferred: aat:300198333, aat:300198865
	gvp:prefLabelGVP: aat_term:1000198841-en
	gvp:prefLabelLoC: aat_term:1000198841-en
	dcterms:source: aat_source:2000030301-subject-300198841, aat_source:2000051089-subject-300198841, aat_source:2000052378
	dc:identifier: 300198841
	…: aat:300193229, aat:300197140, aat:300197148
	prov:wasGeneratedBy: aat_rev:5000057716

Concept

BT

concept

NT

concept:

Results are obtained by entering the following in http://vocab.getty.edu/sparql :

5.1.10 Find Subject by Exact English PrefLabel

select * {?subj gvp:prefLabelGVP/xl:literalForm "rhyta"@en}

Art and Architecture Thesaurus (AAT)

Facet:
Objects

Hierarchy:
Furnishing and Equipment

Concept:
containers (receptacles)

Guide term:
<containers by form>

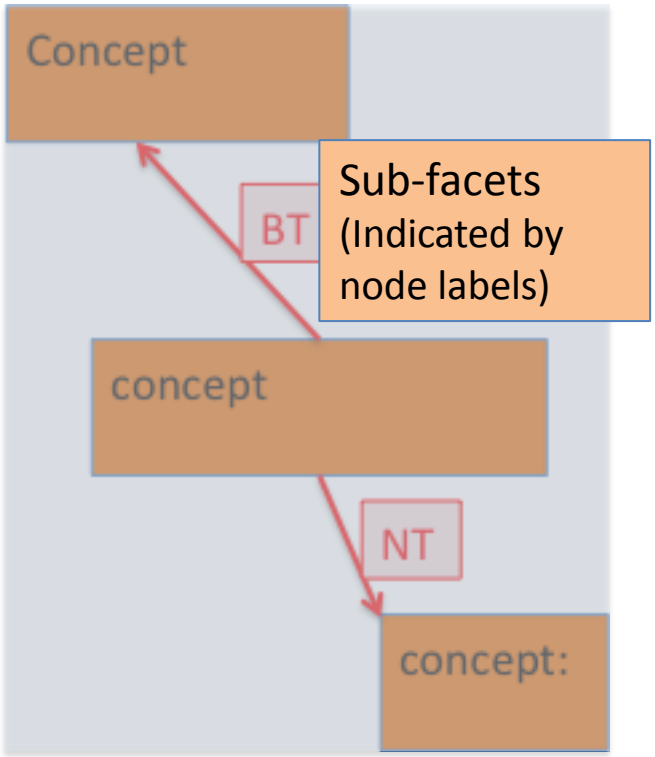
concept:
vessels (containers)

concept:
rhyta

… but AAT LOD has more:

Facets

[large] Hierarchies
(full coverage, deep layer)



5. An example
-- Use a <Guide Term> to obtain all concept URIs in a facet or hierarchy

Part 1. Get Data

ID: 300117143

<object genres by function> (object genres (objec
Name))

Terms:

object genres by function (**preferred**,C,U,English-
objectgenres naar functie (C,U,Dutch-P,D,U,U)
categorías de objetos por función (C,U,Spanish-P,

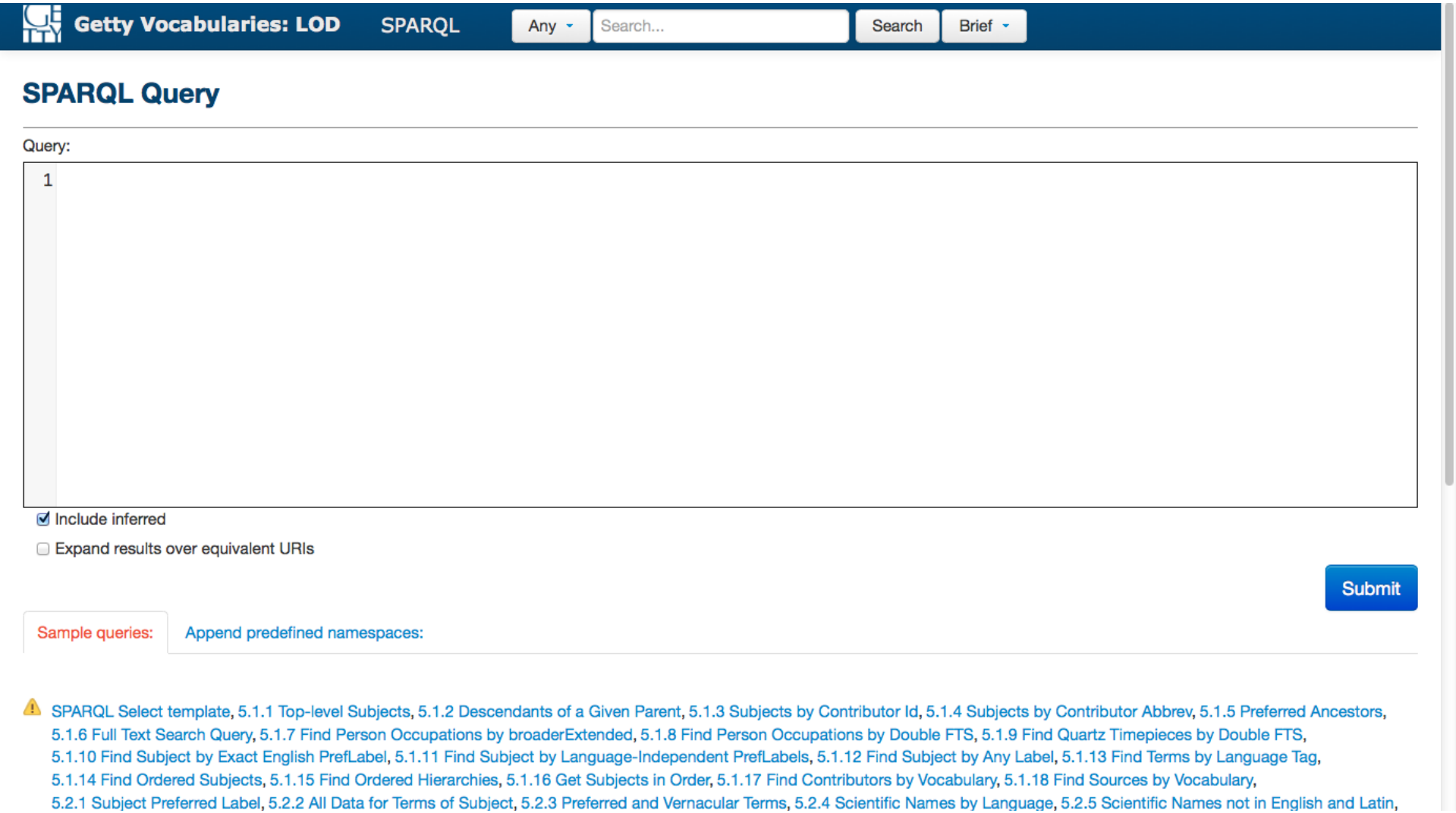
Steps:
After choosing a facet or a hierarchy from AAT...
1. Get the ID
2. Go to SPARQL Endpoint
   →next slide

objectgenres naar functie..... [RKD, AAT-Ned Pre
..... AAT-Ned (1994-)

Subject: ..... [CDBP-DIBAM, RKD, AAT-Ned, VP]

- Top of the AAT hierarchies
- .... Objects Facet
- ..... Object Genres (Hierarchy Name)
- ..... object genres (object classifications)
- ..... <object genres by function>
- ..... accessories
- ..... aids to navigation
- ..... beacons [N]
- ..... buoys [N]
- ..... lighthouses [N]
- ..... light stations [N]
- ..... navigational instruments [N]
- ..... amulets
- ..... Thor's hammers (amulets) [N]
- ..... armrests (object genre)
- ..... backdrops
- ..... backrests
- ..... ceremonial objects
- ..... baptismal syringes
- ..... bow stands [N]
- ..... brush aspergilla [N]
- ..... calumets [N]
- ..... ceremonial chairs [N]
- ..... ceremonial containers [N]
- ..... ceremonial costume [N]
- ..... ceremonial sound devices [N]
- ..... ceremonial watercraft [N]
- ..... ceremonial weapons [N]
- ..... déblés [N]

Step 2. Go to Getty Vocab SPARQL Endpoint: http://vocab.getty.edu/sparql


Getty Vocabularies: LOD
SPARQL
Any
Search...
Search
Brief
SPARQL Query
Query:
1
Include inferred
Expand results over equivalent URIs
Submit
Sample queries:
Append predefined namespaces:
SPARQL Select template, 5.1.1 Top-level Subjects, 5.1.2 Descendants of a Given Parent, 5.1.3 Subjects by Contributor Id, 5.1.4 Subjects by Contributor Abbrev, 5.1.5 Preferred Ancestors,
5.1.6 Full Text Search Query, 5.1.7 Find Person Occupations by broaderExtended, 5.1.8 Find Person Occupations by Double FTS, 5.1.9 Find Quartz Timepieces by Double FTS,
5.1.10 Find Subject by Exact English PrefLabel, 5.1.11 Find Subject by Language-Independent PrefLabels, 5.1.12 Find Subject by Any Label, 5.1.13 Find Terms by Language Tag,
5.1.14 Find Ordered Subjects, 5.1.15 Find Ordered Hierarchies, 5.1.16 Get Subjects in Order, 5.1.17 Find Contributors by Vocabulary, 5.1.18 Find Sources by Vocabulary,
5.2.1 Subject Preferred Label, 5.2.2 All Data for Terms of Subject, 5.2.3 Preferred and Vernacular Terms, 5.2.4 Scientific Names by Language, 5.2.5 Scientific Names not in English and Latin,

http://vocab.getty.edu/sparql

SPARQL Select template, 5.1.1 Top-level Subjects, 5.1.2 Descendants of a Given Parent, 5.1.3 Subjects by Contributor Id,
5.1.4 Subjects by Contributor Abbrev, 5.1.5 Preferred Ancestors, 5.1.6 Full Text Search Query, 5.1.7 Find Person Occupations by broaderExtended,
5.1.8 Find Person Occupations by Double FTS, 5.1.9 Find Quartz Timepieces by Double FTS, 5.1.10 Find Subject by Exact English PrefLabel,
5.1.11 Find Subject by Language-Independent PrefLabels, 5.1.12 Find Su
5.1.14 Find Ordered Subjects, 5.1.15 Find Ordered Hierarchies, 5.1.16 Ge
5.1.18 Find Sources by Vocabulary, 5.2.1 Subject Preferred Label, 5.2.2 Al
5.2.4 Scientific Names by Language, 5.2.5 Scientific Names not in English
5.2.8 Historic Information of Terms, 5.2.9 Preferred Terms for Contributors
5.2.11 Concepts Related by Particular Associative Relation, 5.2.12 Langua
5.3.2 Places, with English or GVP Label, 5.3.3 Places by Direct and Hierar
5.3.5 Inhabited Places That Were Sovereign States, 5.3.6 Places by Type and Parent Place, 5.3.7 Places by Type, with placeTypePreferred,
5.3.8 Places by Triple FTS, 5.3.9 Places by FTS Parents, 5.3.10 Capitals by Type, 5.3.11 Capitals by Association,
5.3.12 Members of the European Union, 5.3.13 Members of the United Nations, 5.3.14 Geo Chart with SPARQL, 5.3.15 Column Chart with SPARQL,
5.3.16 Countries and Capitals By Type and Containment, 5.3.17 Places by Coordinate Bounding Box, 5.3.18 Places Within Bounding Box,
5.3.19 Places by Type Within Bounding Box, 5.3.20 Places Outside Bounding Box (Overseas Possessions), 5.3.21 Places Nearby Each Other,
5.4.1 Descriptive Info from VOID, 5.4.2 Number of Entities from VOID, 5.4.3 Number of Local Sources (Dynamic),
5.4.4 Number of Global Sources (Dynamic), 5.4.5 Number of Terms per Language, 5.4.6 Number of AAT Revision Actions,
5.5.1 Ontology Classes and Properties, 5.5.2 Ontology Values

Step 3. Choose "Descendants of a Given Parent" from the template, click. → The template's text will show on the top Query box.

Steps
4. Replace the ID (e.g., 300117143) in the Query template
[you may modify to add more requests]
5. Submit
6. Get all URIs and labels under this guide

SPARQL Query

Query:

```
1 # 5.1.2 Descendants of a Given Parent
2 select * {?x gvp:broaderExtended aat:300117143.
3   ?x gvp:prefLabelGVP [xl:literalForm ?l]; skos:inScheme aat:
4         } order by ?l
5
```

Note: I replaced the aat ID, also inserted a line to get the labels, and sort by label. Here is the text

```
select * {?x gvp:broaderExtended aat:300117143.
?x gvp:prefLabelGVP [xl:literalForm ?l]; skos:inScheme aat:
} order by ?l
```

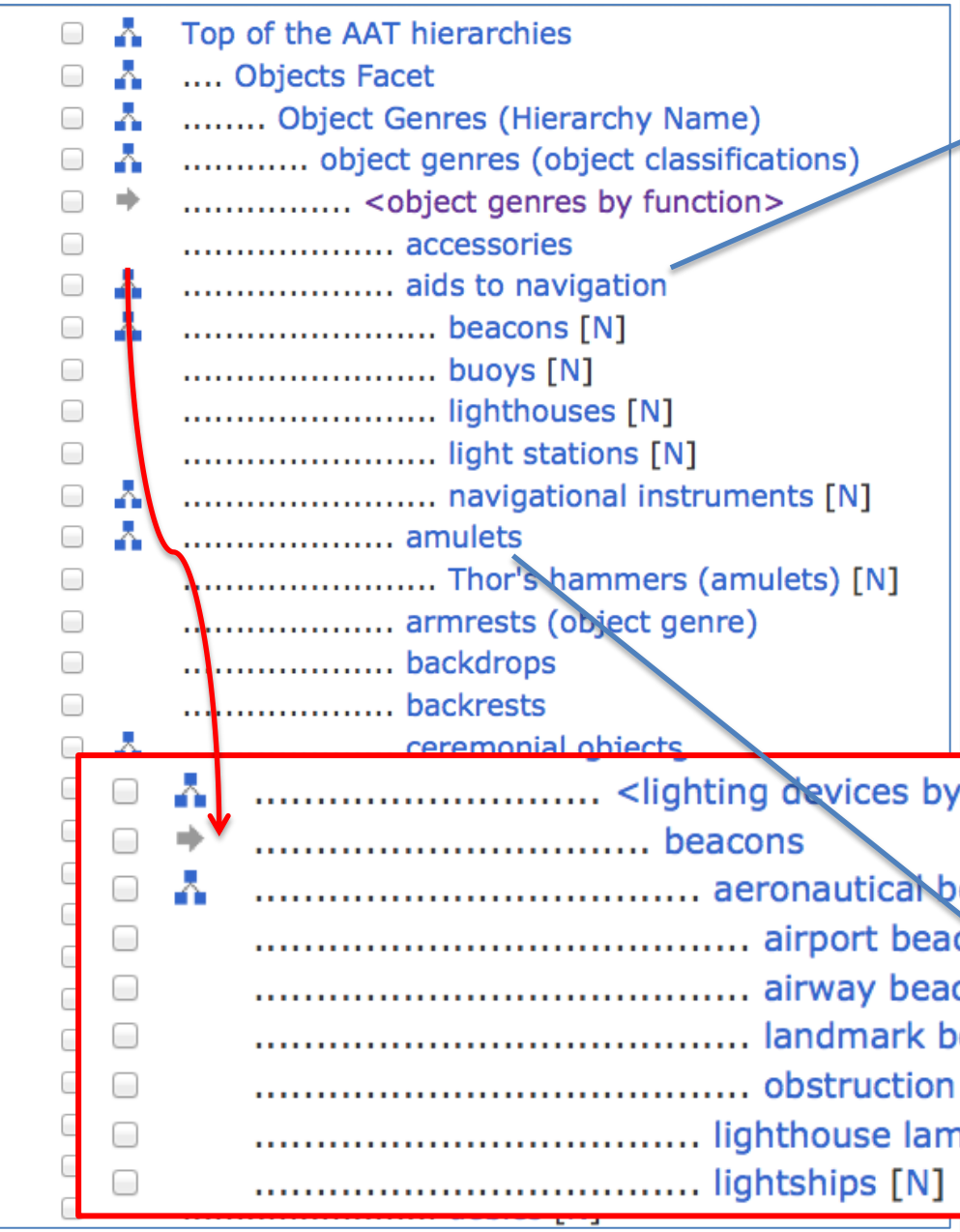
It gave me the results in 2 seconds:

SPARQL Query

Results for # 5.1.2 Descendants:... (100 of 525)

Download SPARQL Results in: JSON | XML

x	l
aat:300391225	<religious visual works by related event>@en
aat:300391082	Advent candleholders@en
aat:300391224	Advent wreaths@en
aat:300178242	Andachtsbilder@en
aat:300265145	Bhagavad-gītās@en
aat:300263184	Bible stories@en
aat:300264513	Bibles@en
aat:300263411	Bibles historiales@en



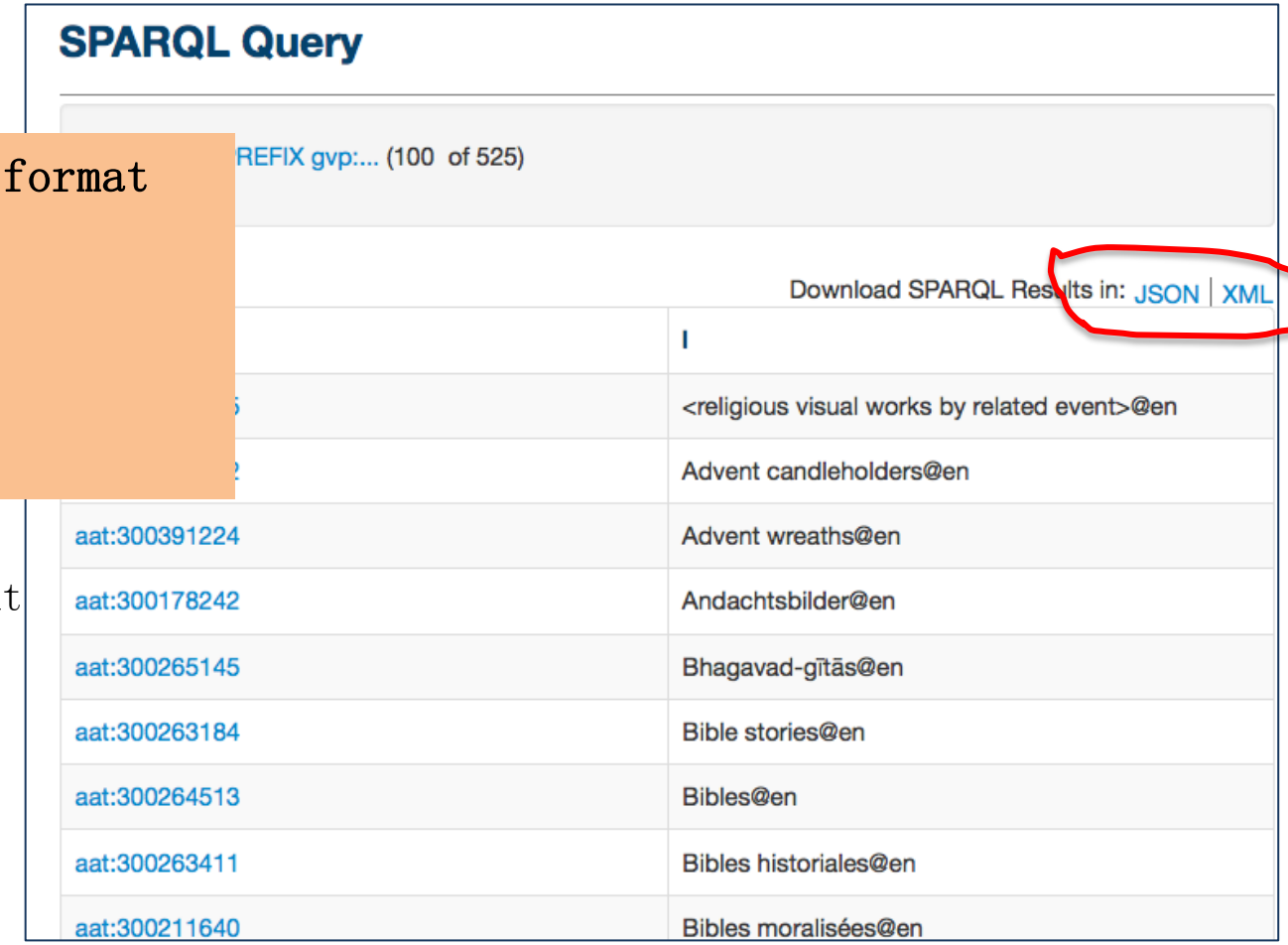
aat:300264447	agere lfa@en
aat:300262796	aids to navigation@en
aat:300210466	aigrettes (plumes)@en
aat:300181617	airport beacons@en
aat:300181651	airway beacons@en
aat:300263682	akonkromfi@en
aat:300210415	albs@en
aat:300198819	alms dishes@en
aat:300210416	almuces (hoods)@en
aat:300263075	aloalo@en
aat:300391092	
aat:300391083	
	altar cruets@en
	altarpieces@en
	alusi@en
	amices@en
	ampullae@en
aat:300266585	amulets@en

(I checked to make sure that the results are from multiple levels in the hierarchy.)

Step 7. Download JSON format data.

Download Options:
(1) JSON*
(2) XML

*JSON (JavaScript Object Notation) is a lightweight data-interchange format.



Results of the JSON file.


```
{
  "head" : {
    "vars" : [ "x", "l" ]
  },
  "results" : {
    "bindings" : [ {
      "x" : {
        "type" : "uri",
        "value" : "http://vocab.getty.edu/aat/300217935"
      },
      "l" : {
        "xml:lang" : "en",
        "type" : "literal",
        "value" : "'ūds"
      }
    }, {
      "x" : {
        "type" : "uri",
        "value" : "http://vocab.getty.edu/aat/300264679"
      },
      "l" : {
        "xml:lang" : "en",
        "type" : "literal",
        "value" : "8mm (size: videotape)"
      }
    }, {
      "x" : {
        "type" : "uri",
        "value" : "http://vocab.getty.edu/aat/300055897"
      },
      "l" : {
        "xml:lang" : "en",
        "type" : "literal",
        "value" : "<artistic devices: literature>"
      }
    }, {
      "x" : {
        "type" : "uri",
        "value" : "http://vocab.getty.edu/aat/300133084"
      },
      "l" : {
        "xml:lang" : "en",
        "type" : "literal",
        "value" : "<composition and compositional elements>"
```


Descendants of a Given Parent:

```
select * {?x gvp:broaderExtended
aat:300117143.
?x gvp:prefLabelGVP [xl:literalForm ?l];
skos:inScheme aat:
} order by ?l
```

SPARQL Query

Results for # 4.1.2 Descendants... (100 of 523)

Download SPARQL Results in: JSON | XML

x	l
aat:300161886	striking blocks@en
aat:300202542	keepsakes (books)@en
aat:300220519	religious texts@en
aat:300210422	buskins (stockings)@en
aat:300181600	aeronautical beacons@en
aat:300007739	beacons@en
aat:300182941	lighthouse lamps@en
aat:300007741	lighthouses@en
aat:300180588	Hanukkah lamps@en
aat:300190801	votive lamps@en

(cont.) 5. An example
-- Use a <Guide Term> to obtain all concept URIs
in a facet or hierarchy

Part 2. Viewing the dataset by a non-techy person

Acknowledgement: Thanks to a Visiting Scholar En-bo Jiang for helping the testing.

How to manage it by a non-techy person?

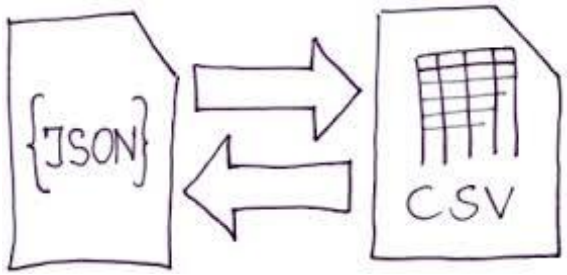
Non-techy person's wish:

I can see what are in the dataset;

I can use a spreadsheet to open and manage it.

Techy-person can prepare the file as:

1. From a JSON* file → convert to CSV** file (can be opened as spreadsheet) using an open source converter

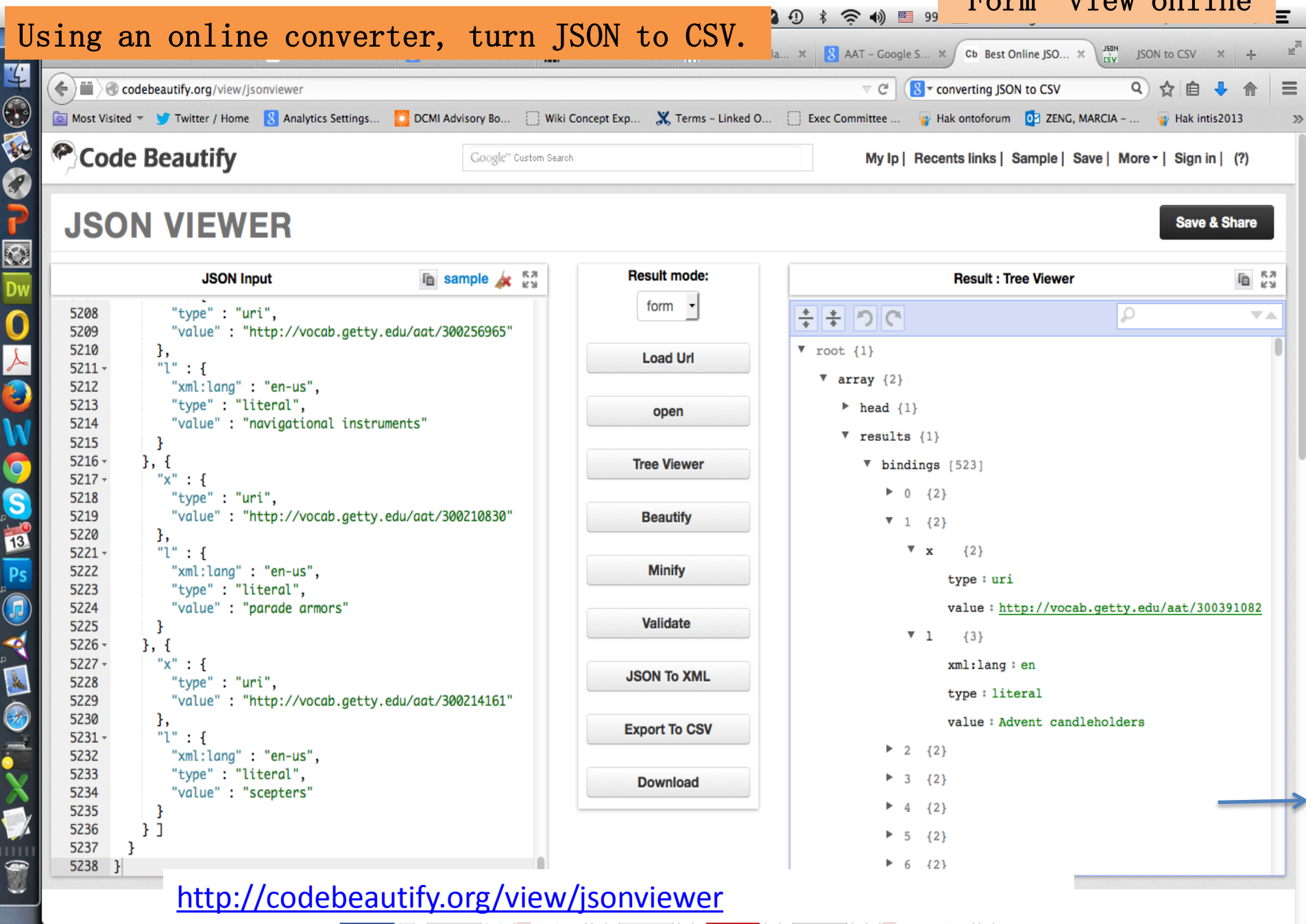


*JSON = (JavaScript Object Notation), a lightweight data-interchange format.

**CSV = Comma Separated Value file format

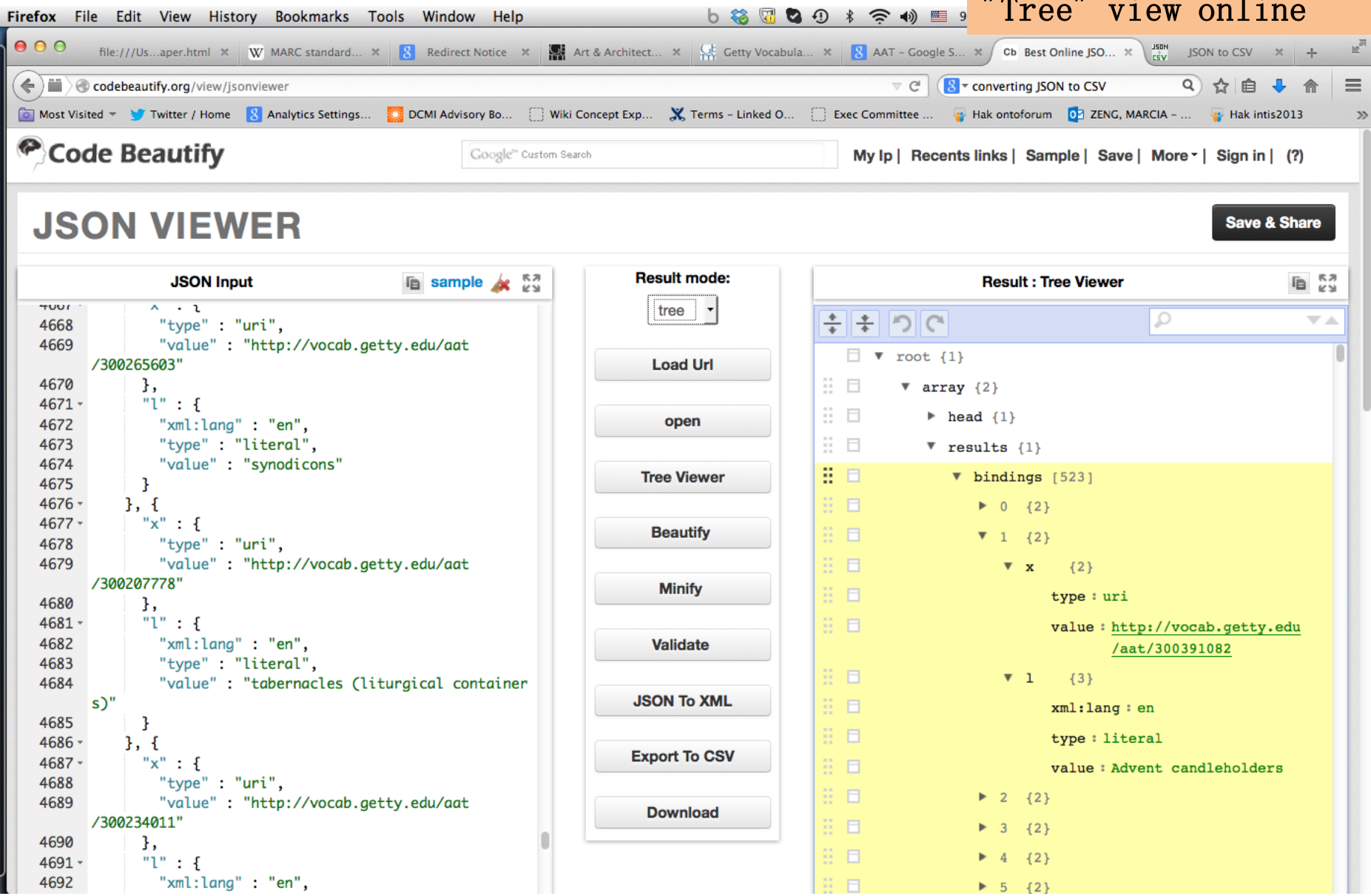
Using an online converter, turn JSON to CSV.

"Form" view online



http://codebeautify.org/view/jsonviewer

"Tree" view online



http://codebeautify.org/view/jsonviewer

(cont.) How to manage it by a non-techy person?

Non-techy person's wish:

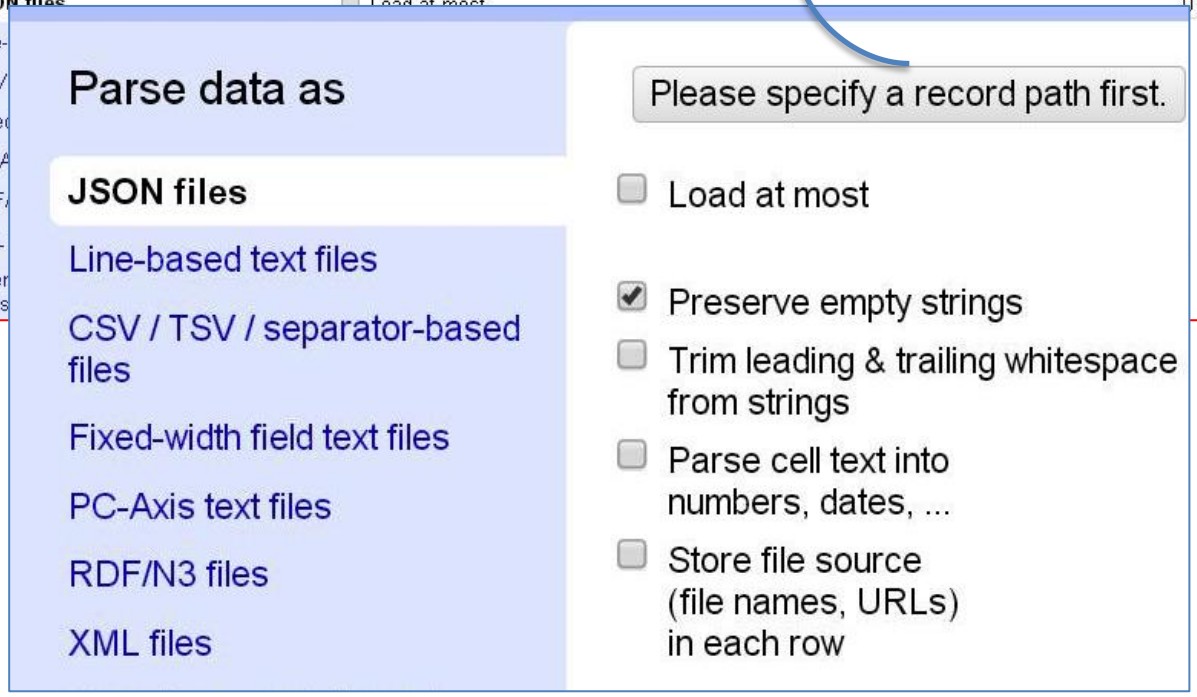
I can see what are in the dataset;

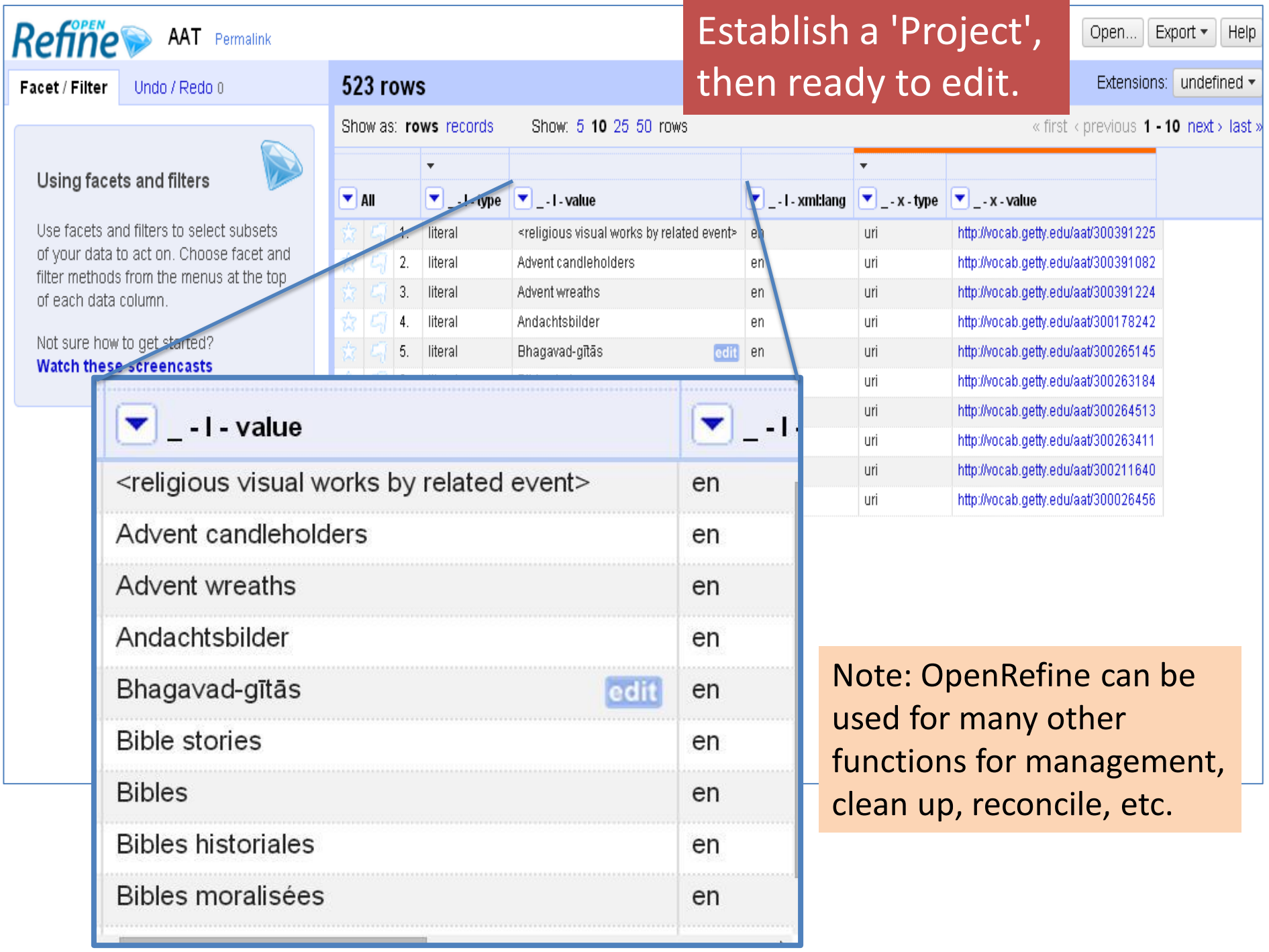
I can use a spreadsheet to open and manage it.

Techy-person can prepare the file as:

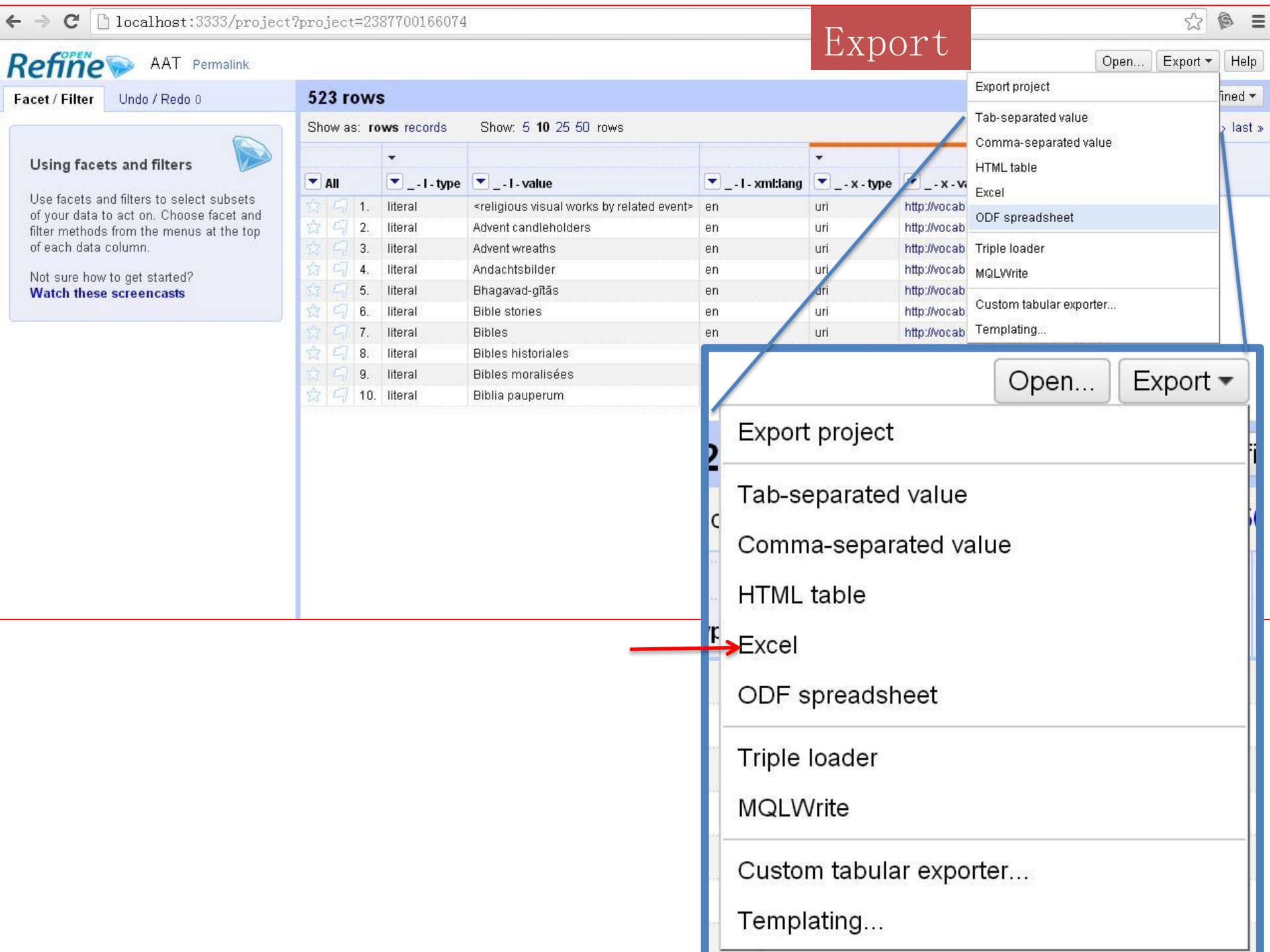
1. From a JSON* file → convert to CSV** file (can be opened as spreadsheet) using an open source converter, or
2. From a JSON file → Manage from OpenRefine (open source system) or export to a spreadsheet

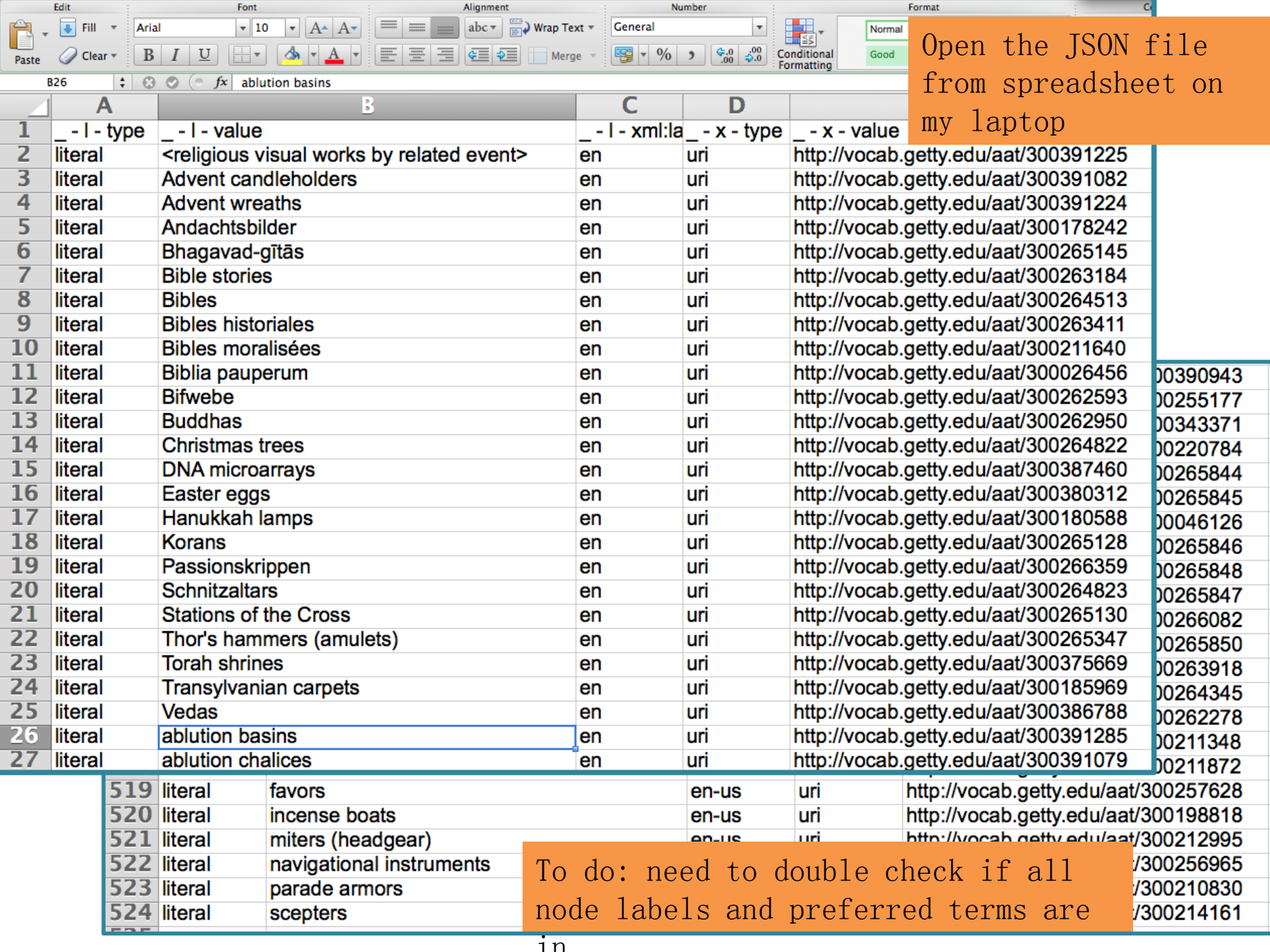
When uploaded the JSON file to OpenRefine, **highlight** the first enter in order for the software to tell the structure.


Parse data as
JSON files
Line-based text files
CSV / TSV / separator-based files
Fixed-width field text files
PC-Axis text files
RDF/N3 files
XML files
Please specify a record path first.
Load at most
Preserve empty strings
Trim leading & trailing whitespace from strings
Parse cell text into numbers, dates, ...
Store file source (file names, URLs) in each row


Establish a 'Project', then ready to edit.
OpenRefine
AAT
Permalink
Open...
Export
Help
Facet / Filter
Undo / Redo 0
523 rows
Extensions: undefined
Show as: rows records
Show: 5 10 25 50 rows
« first ‹ previous 1 - 10 next › last »
Using facets and filters
Use facets and filters to select subsets of your data to act on. Choose facet and filter methods from the menus at the top of each data column.
Not sure how to get started?
Watch these screencasts
All
_ - l - type
_ - l - value
_ - l - xml:lang
_ - x - type
_ - x - value
1. literal <religious visual works by related event> en uri http://vocab.getty.edu/aat/300391225
2. literal Advent candleholders en uri http://vocab.getty.edu/aat/300391082
3. literal Advent wreaths en uri http://vocab.getty.edu/aat/300391224
4. literal Andachtsbilder en uri http://vocab.getty.edu/aat/300178242
5. literal Bhagavad-gītās edit en uri http://vocab.getty.edu/aat/300265145
uri http://vocab.getty.edu/aat/300263184
uri http://vocab.getty.edu/aat/300264513
uri http://vocab.getty.edu/aat/300263411
uri http://vocab.getty.edu/aat/300211640
uri http://vocab.getty.edu/aat/300026456
_ - l - value
_ - l
<religious visual works by related event> en
Advent candleholders en
Advent wreaths en
Andachtsbilder en
Bhagavad-gītās edit en
Bible stories en
Bibles en
Bibles historiales en
Bibles moralisées en
Note: OpenRefine can be used for many other functions for management, clean up, reconcile, etc.

Export

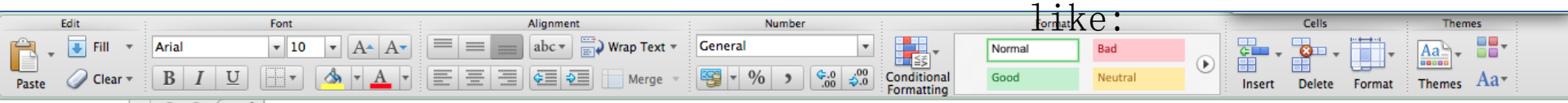

localhost:3333/project?project=2387700166074
OpenRefine
AAT
Permalink
Open...
Export
Help
Facet / Filter
Undo / Redo 0
523 rows
Show as: rows records
Show: 5 10 25 50 rows
Using facets and filters
Use facets and filters to select subsets of your data to act on. Choose facet and filter methods from the menus at the top of each data column.
Not sure how to get started?
Watch these screencasts
All
_ - l - type
_ - l - value
_ - l - xml:lang
_ - x - type
1. literal <religious visual works by related event> en uri
2. literal Advent candleholders en uri
3. literal Advent wreaths en uri
4. literal Andachtsbilder en uri
5. literal Bhagavad-gītās en uri
6. literal Bible stories en uri
7. literal Bibles en uri
8. literal Bibles historiales
9. literal Bibles moralisées
10. literal Biblia pauperum
Export project
Tab-separated value
Comma-separated value
HTML table
Excel
ODF spreadsheet
Triple loader
MQLWrite
Custom tabular exporter...
Templating...



	A	B	C	D
1	_ - l - type	_ - l - value	_ - l - xml:la	_ - x - type
2	literal	<religious visual works by related event>	en	uri
3	literal	Advent candleholders	en	uri
4	literal	Advent wreaths	en	uri
5	literal	Andachtsbilder	en	uri
6	literal	Bhagavad-gītās	en	uri
7	literal	Bible stories	en	uri
8	literal	Bibles	en	uri
9	literal	Bibles historiales	en	uri
10	literal	Bibles moralisées	en	uri
11	literal	Biblia pauperum	en	uri
12	literal	Bifwebe	en	uri
13	literal	Buddhas	en	uri
14	literal	Christmas trees	en	uri
15	literal	DNA microarrays	en	uri
16	literal	Easter eggs	en	uri
17	literal	Hanukkah lamps	en	uri
18	literal	Korans	en	uri
19	literal	Passionskrippen	en	uri
20	literal	Schnitzaltars	en	uri
21	literal	Stations of the Cross	en	uri
22	literal	Thor's hammers (amulets)	en	uri
23	literal	Torah shrines	en	uri
24	literal	Transylvanian carpets	en	uri
25	literal	Vedas	en	uri
26	literal	ablution basins	en	uri
27	literal	ablution chalices	en	uri

519	literal	favors	en-us	uri	http://vocab.getty.edu/aat/300257628
520	literal	incense boats	en-us	uri	http://vocab.getty.edu/aat/300198818
521	literal	miters (headgear)	en-us	uri	http://vocab.getty.edu/aat/300212995
522	literal	navigational instruments	en-us	uri	http://vocab.getty.edu/aat/300256965
523	literal	parade armors	en-us	uri	http://vocab.getty.edu/aat/300210830
524	literal	scepters	en-us	uri	http://vocab.getty.edu/aat/300214161

If open the XML file from spreadsheet, it looks like:



	B	C	D	E	F
1	result - binding	result - binding - name	result - binding - uri	result - binding - literal	result - binding - literal - xml:lang
2		x	http://vocab.getty.edu/aat/300391225		
3					
4		l		<religious visual works by r	en
5					
6		x	http://vocab.getty.edu/aat/300391082		
7					
8		l		Advent candleholders	en
9					
10		x	http://vocab.getty.edu/aat/300391224		
11					
12		l		Advent wreaths	en
13					
14		x	http://vocab.getty.edu/aat/300178242		
15					
16		l		Andachtsbilder	en
17					
18		x	http://vocab.getty.edu/aat/300265145		
19					
20		l		Bhagavad-gītās	en
21					
22		x	http://vocab.getty.edu/aat/300263184		
23					
24		l		Bible stories	en
25					
26		x	http://vocab.getty.edu/aat/300264513		
27					

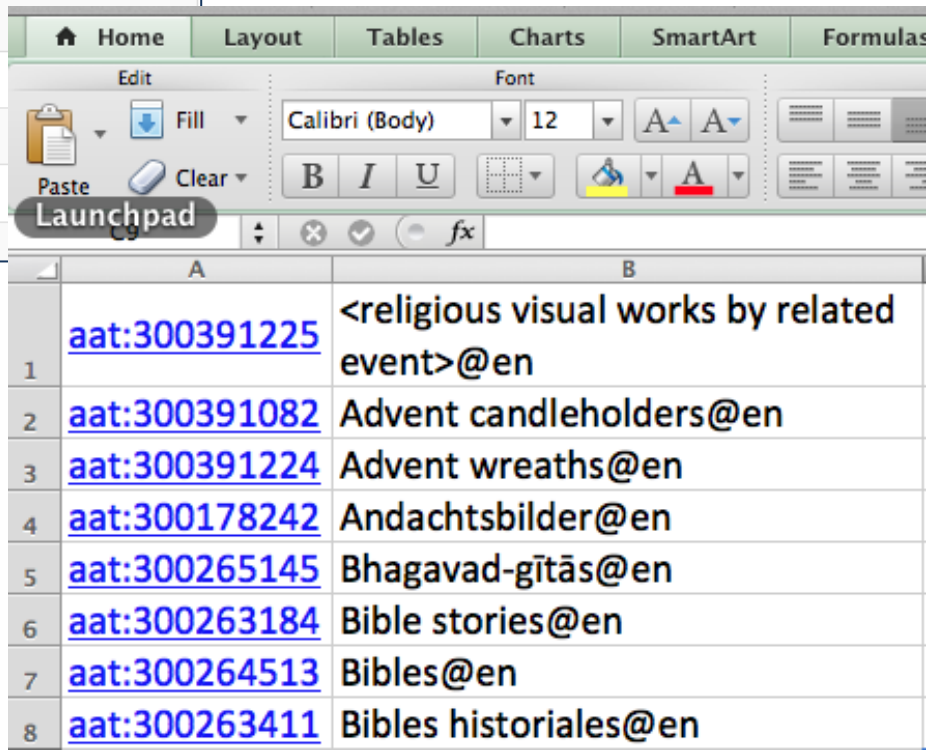
SPARQL Query

Results for PREFIX gvp:... (100 of 525)

Download SPARQL Results in: JSON | XML

x	l
aat:300391225	<religious visual works by related event>@en
aat:300391082	Advent candleholders@en
aat:300391224	Advent wreaths@en
aat:300178242	Andachtsbilder@en
aat:300265145	Bhagavad-gītās@en
aat:300263184	Bible stories@en
aat:300264513	Bibles@en
aat:300263411	Bibles historiales@en
aat:300211640	Bibles moralisées@en

The least techy-way is to copy-paste to a spreadsheet.



	A	B
1	aat:300391225	<religious visual works by related event>@en
2	aat:300391082	Advent candleholders@en
3	aat:300391224	Advent wreaths@en
4	aat:300178242	Andachtsbilder@en
5	aat:300265145	Bhagavad-gītās@en
6	aat:300263184	Bible stories@en
7	aat:300264513	Bibles@en
8	aat:300263411	Bibles historiales@en

Summary of the processes

1. Choose the facet or hierarchy you like to start;
2. Find the ID of that concept.
3. Use this template to get the URIs and labels:

- Replace the ID in the Query template
- Submit
- Get the URIs and labels in under this guide term.
- Sort by order (column x)

5.1.2 Descendants of a Given Parent

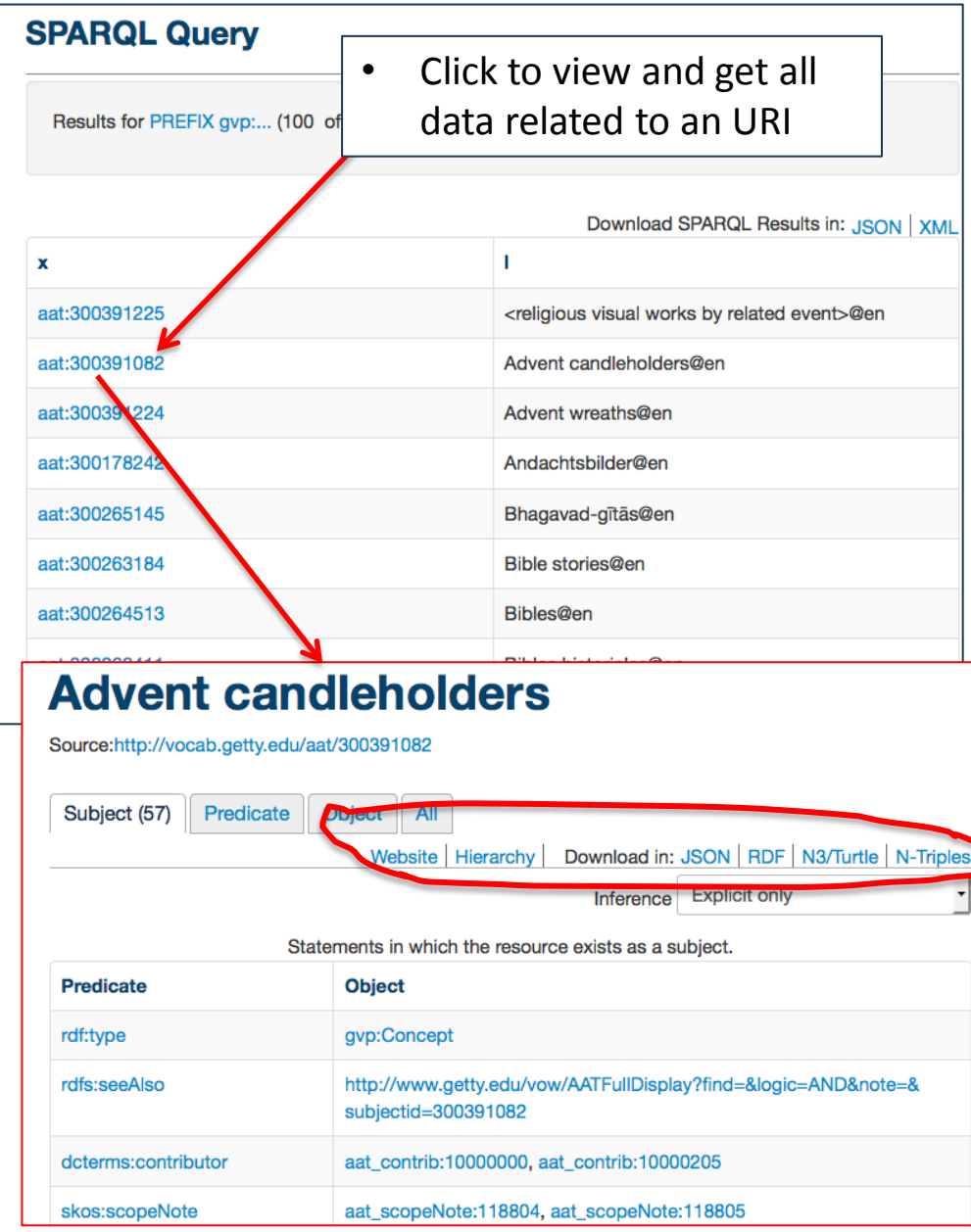
```
select * {?x gvp:broaderExtended
aat:300117143.
?x gvp:prefLabelGVP [xl:literalForm ?l];
skos:inScheme aat:
} order by ?l
```

4. Use a tool that can treat JSON to view and manage.

5. Additional ideas: **Use other templates to obtain needed data for your microthesauri. (See next slide.)**

6. Additional ideas: Using RelFinder to Visualize
http://www.visualdataweb.org/relfinder.php

Use other templates to obtain needed data for your microthesauri. More examples



- Click to view and get all data related to an URI

- Find AAT URIs and labels according to a Contributor:

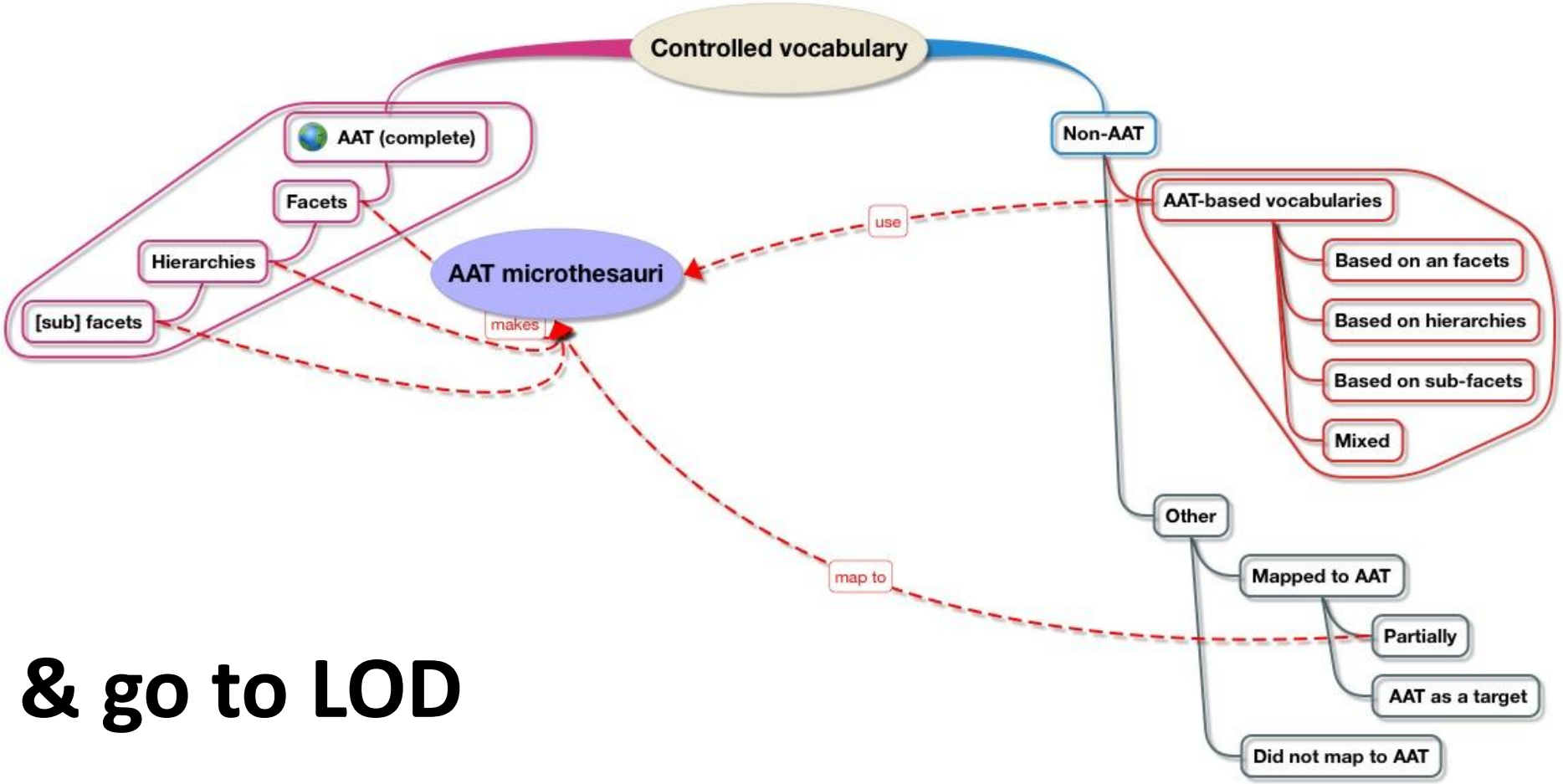
```
#5.1.3 Subjects by Contributor Id
select * {
  ?x a gvp:Subject; dct:contributor
aat_contrib:10000178.
  ?x gvp:prefLabelGVP [xl:literalForm ?l]
}
```

- Find, within this set of data, only those involving a particular contributor, e.g., by CDBP-DIBAM (Dirección de Bibliotecas, Archivos y Museos; Santiago, Chile), id:300117143.)

```
select ?x ?l ?contrib {
  ?x gvp:broaderExtended aat:300117143.
  ?x gvp:prefLabelGVP [xl:literalForm ?l].
  ?x dcterms:contributor aat_contrib:10000131.
}
```

6. Conclusion
LOD AAT Microthesauri

- use,
- create,
- derive from, &
- map to



& go to LOD

http://marciazeng.slis.kent.edu/ http://lod-lam.slis.kent.edu/